REMARKS

DISCUSSION OF SPECIFICATION

The specification has been amended to correct minor typographical informalities. In particular, "feedback" has been replaced with –notification-- for the paragraph that begins on page 12, line 11, and "2" has been replaced with --6-- for the paragraph that begins on page 22, line 3. No new matter has been added. Acceptance of the amended specification is respectfully requested.

DISCUSSION OF CLAIMS

In the Office Action, claims 1-19 are rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Publication Number 2002/0032720 to Nelson et al. In response thereto, claims 2, 10-15, and 19 have been cancelled, claims 1 and 16 have been amended, and new claims 20-22 have been added. Accordingly, claims 1, 3-9, 16-18, and 20-22 are now pending. Following is a discussion of the patentability of each of the pending claims.

Independent Claim 1

Claim 1 recites a system comprising an implantable cardiac therapy device, a computing network, and a presentation architecture. The computing network is configured to communicate with and receive data output by the implantable cardiac therapy device and to distribute the data to computing devices associated with knowledge workers who are interested in the data. The presentation architecture is implemented by the computing network to distribute the data to the computing devices according to different formats and protocols supported by the computing devices. The presentation architecture comprises a processing layer and a presentation layer. The processing layer processes the data received from the implantable cardiac therapy device. The presentation layer, separate from the processing layer, formats and

PAGE 12/15 * RCVD AT 3/31/2004 7:49:36 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/3 * DNIS:8729306 * CSID:818 362 4795 * DURATION (mm-ss):04-38

encodes the data according to the formats and protocols supported by the computing devices.

According to the specification of the present application (see page 27, lines 6-23), separating the presentation and processing layers and implementing user interface definitions and style sheets enables the architecture to distribute content produced by multiple applications to a wide assortment of computing devices without requiring unique user interfaces for each computing device. In the example discussed in the present application, a system comprises three applications that produce content to be distributed to four different computing devices of the knowledge workers. If the presentation layer is integrated with the processing layer, an application developer would need to write a specific user interface for each device, resulting in twelve different versions of the user interface code. By separating the presentation layer, independent user interface definitions 912(1)-(3) can be developed to specify user interface requirements imposed by individual applications. Style sheets 910(1)-(4) can be created to describe the features that individual devices are able to support. Combining the user interface definition with a style sheet dictates "what" content is presented and "how" it is presented for a give computing device. In this example, the architecture allows, at most, the creation of seven definitions/sheets to facilitate presentation of content from three applications on four devices, whereas twelve separate versions are required if the presentation layer is integrated with the processing layer.

The Nelson et al. reference discloses a component based software architecture adapted for enhancing communication and operability of interface instruments and implantable medical devices (IMD) over a communications network. In one embodiment, standardized hardware modules or Link Electronics Modules (LEMs) are incorporated into the interface instruments. In order to incorporate the LEM into various interface instruments, a peripheral interface is utilized such that the functions of the LEM may be incorporated into all interface instruments.

PAGE 13/15 * RCVD AT 3/31/2004 7:49:36 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/3 * DNIS:8729306 * CSID:818 362 4795 * DURATION (mm-ss):04-38

No where does the Nelson et al. reference disclose or suggest a presentation architecture comprising a processing layer to process data received from an implantable cardiac therapy device and a presentation layer which is separate from the processing layer. In Nelson et al., it appears that the processing layer is integrated with presentation layer.

Accordingly, it is respectfully submitted that claim 1 is in condition for allowance.

Dependent Claims 3-6

Claims 3-6 depend from claim 1 and are similarly patentable. It is respectfully submitted that these claims are in condition for allowance.

Independent Claim 7

For at least the same reasons discussed above with regards to claim 1, it is respectfully submitted that claim 7 is in condition for allowance.

Dependent Claims 8 and 9

Claims 8 and 9 depend from claim 7 and are similarly patentable. Accordingly, it is respectfully submitted that these claims are in condition for allowance.

Independent Claim 16

For at least the same reasons discussed above with regards to claim 1, it is respectfully submitted that claim 16 is in condition for allowance.

PAGE 14/15 * RCVD AT 3/31/2004 7:49:36 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/3 * DNIS:8729306 * CSID:818 362 4795 * DURATION (mm-ss):04-38

Dependent Claims 17, 18, and 20-22

Claims 17, 18, and 20-22 depend from claim 16 and are similarly patentable. Accordingly, it is respectfully submitted that these claims are in condition for allowance.

CONCLUSION

In light of the above claim amendments and remarks, it is respectfully submitted that the application is in condition for allowance, and an early notice of allowance is requested.

Respectfully submitted,

3/31/04
Date

Ronald S. Tamura, Reg. No. 43,179
Patent Attorney for Applicant

Pacesetter, Inc.
15900 Valley View Court
Sylmar, CA 91392-9221
818/493-3157
818/362-4795 (fax)

PAGE 15/15 * RCVD AT 3/31/2004 7:49:36 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/3 * DNIS:8729306 * CSID:818 362 4795 * DURATION (mm-ss):04-38